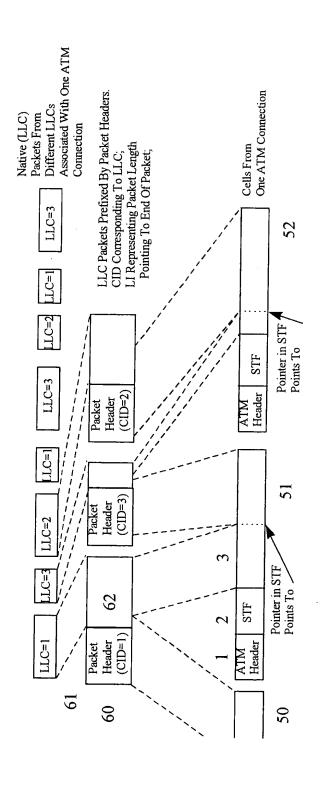
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FIG. 1



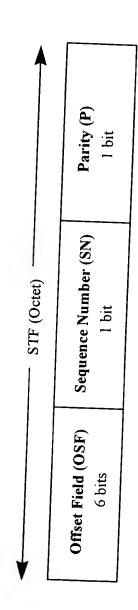
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FIG. 2

HEC 5 bits	
RES 5 bits	
LI 6 kits	
CID 8 bits	

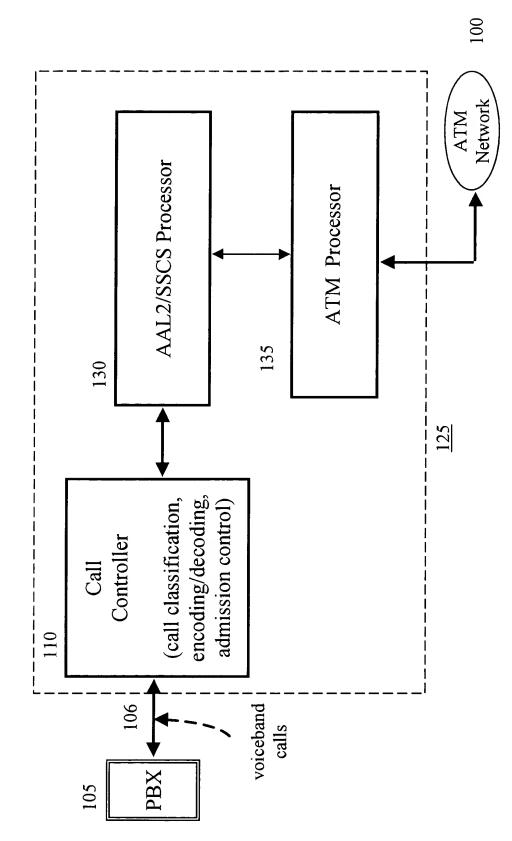
Packet Header (3 octets)

FIG. 3



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FIG. 4



### TRAFFIC TYPES AND BANDWIDTH

	I raffic I ypes	Bandwiath	Bandwidth including AAL2 overhead	Bandwidth including AAL2 and ATM
Call Type Identifier				overhead
(	G.727 Voice with	32 kb/s (peak)	36.8 kb/s (peak)	41.5 kb/s (peak)
0	e lim ination		it: NOIS (avelabe)	10.0 NU/3 (4VC14BC)
	14.4 kB/8 mB/gem	40 kb/s (?)	44.8 kb/s	50.5 kb/s
1	тодет			
	28.8 kb/s to 56	64 kb/s	68.8 kb/s	77.6 kb/s
7	kb/s modem			
	G3 Facs im ile	9.6 kb/s	14.4 kb/s	16.2 kb/s
m				

<sup>•</sup> Assuming 5 ms AAL2/SSCS packetization interval in all cases.

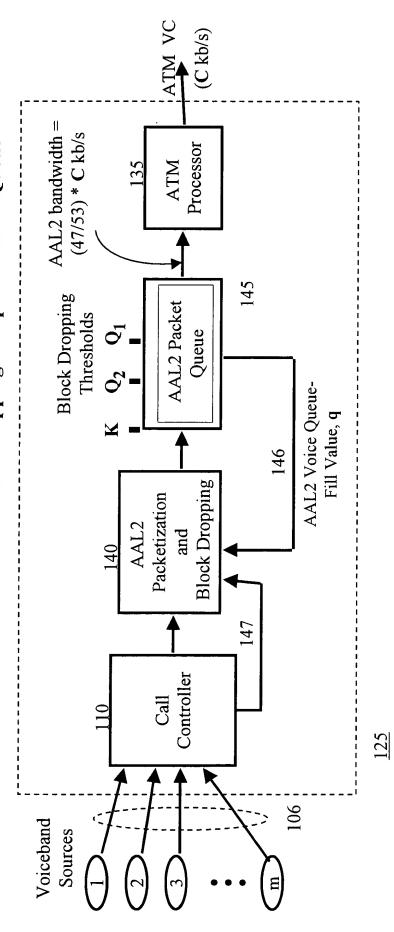
<sup>•</sup> Voice activity = 40 % (average talkspurt = 400 ms, and average silence = 600 ms).

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FIG. 6

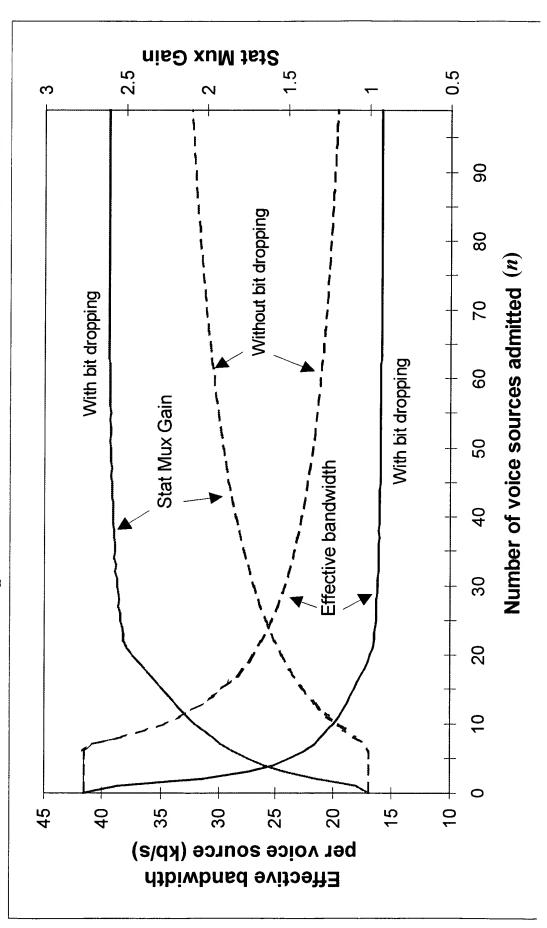
# BLOCK (or BIT) DROPPING FOR CONGESTION CONTROL

INPUT BLOCK DROPPING: Block-Dropping at Input of AAL2 Queue

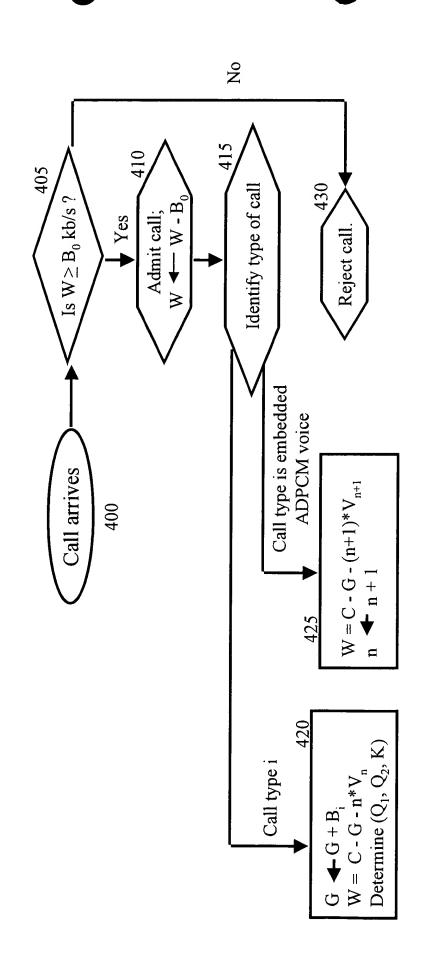


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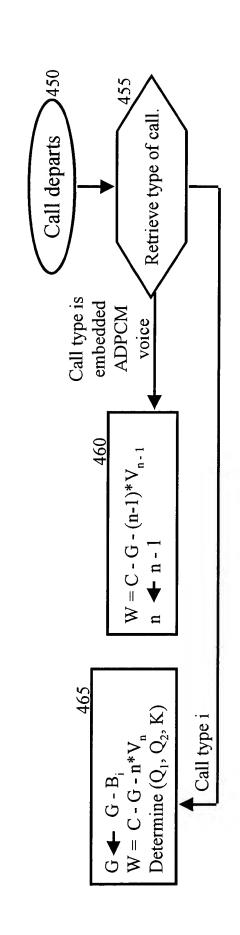
EFFECTIVE BANDWIDTH (V<sub>n</sub>) AND STATISTICAL MULTIPLEXING GAIN



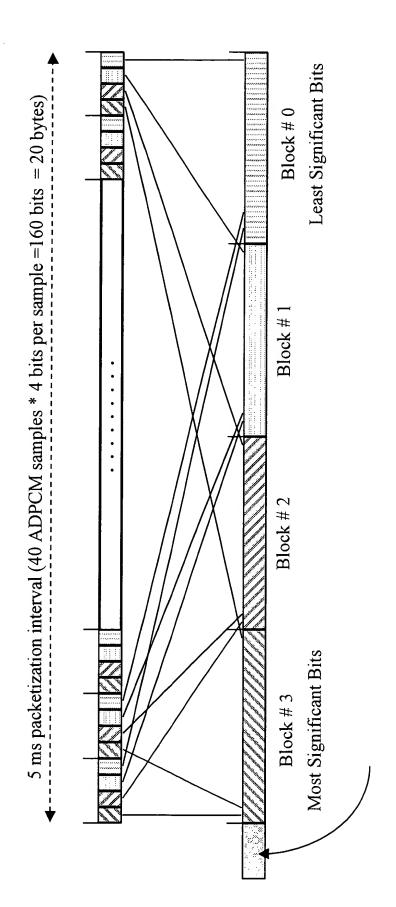
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## ORGANIZATION OF VOICE PACKET



### then the the the time the time that the time the time then then the

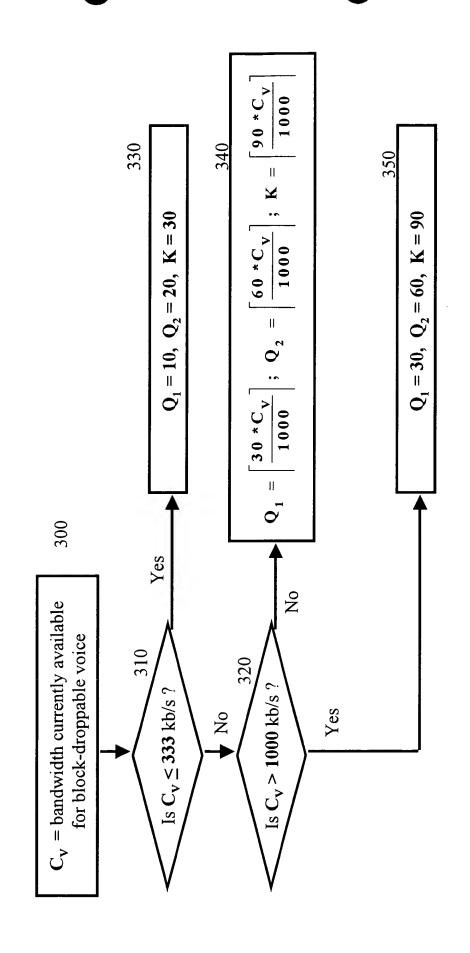
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FIG. 11

#### Congestion State Table

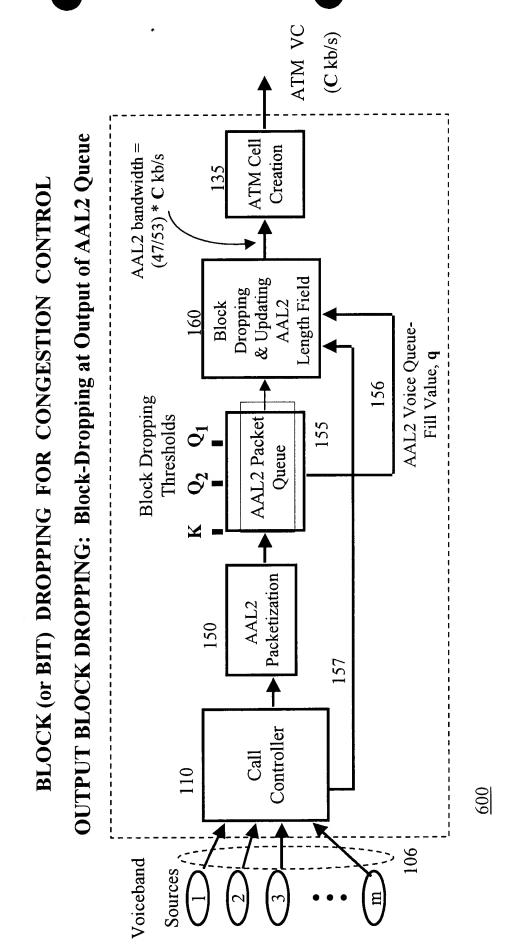
Congestion State	Blocks Dropped from AAL2 Packet	Packet Size
Low $(0 \le q \le Q_1)$	None	23 bytes
Moderate ( $Q_1 \le q \le Q_2$ )	Block 0	18 bytes
High ( $Q_2 \le q \le K-1$ )	Blocks 0 and 1	13 bytes
Buffer Overflow (q≥K)	Whole packet dropped	

FIG. 12



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FIG. 13



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FIG. 14

